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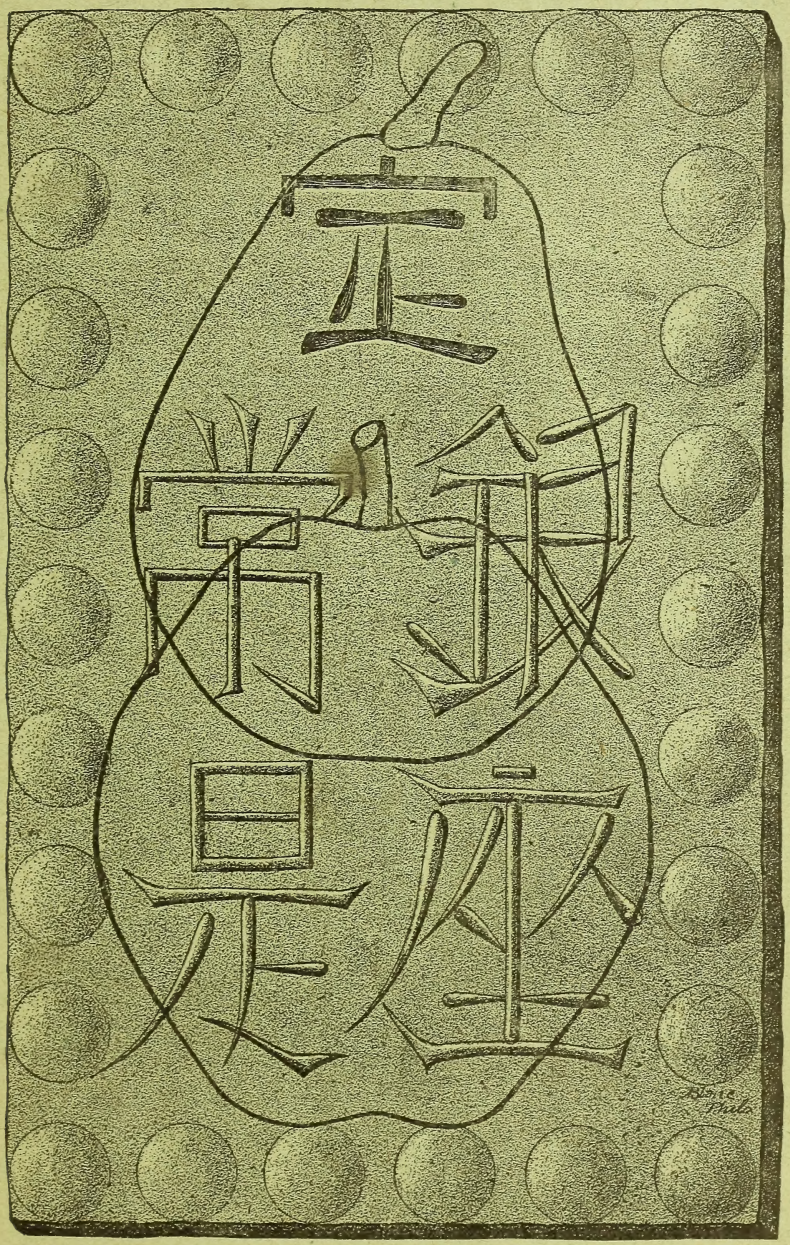
# THE PRACTICAL NURSERYMAN.

A TRADE JOURNAL.

Vol. 2. HUNTSVILLE, ALA., JANUARY, 1894. No. 1

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STRAWBERRY (including Greenville, Van Deman and 100 other varieties) and RASPBERRY

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WANTED—To buy about 4,000 Orange Trees, budded on sour stock, ⅝ to 1 inch diameter, of the following varieties: Beaches' No 1, Nonpariel, Centennial, Mediterranean Sweet, Jaffa, Majorca, Starks' Seedless, Washington Navel, P. R. St. Michael. C. D. OTIS, Shell Beach, La.

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# THE PRACTICAL NURSERYMAN.

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## THE PRACTICAL NURSERYMAN.

PUBLICATION OFFICE:

HUNTSVILLE, ALABAMA.

W. F. HEIKES, Editor and Manager.

Issued Monthly. Sent only to those in the trade. Advertisements 10c. a line agate; $20.00 a page; one-half page $10.00; one-fourth page $5.00. Advertisements must be handed in one week before the day of publication. Advertisements for less than $5.00 will not be accepted. Discounts: 3 times 5 per cent.; 6 times 10 per cent.; 12 times 25 per cent.

TO ADVERTISERS.

The circulation of this Journal will be confined strictly to Nurserymen, Florists and Seedsmen, and only invited advertisements of articles pertaining specially to these trades will be inserted. We guarantee a regular monthly circulation of 4,000.

### The Am. Association of Nurserymen

President, Col. U. B. Pearsall, Ft. Scott, Kan.; First Vice President, W. F. Heikes, Huntsville, Ala.; Secretary, Geo. C. Seager, Rochester, N. Y.; Treasurer, N. A. Whitney, Franklin Grove, Ill. Executive Committee: Irving Rouse, Rochester, N. Y., W. J. Peters, Troy, O., D. S. Lake, Shenandoah, Iowa.

Place for next meeting, Niagara Falls, first Wednesday in June, 1894.

### Society of American Florists.

J. T. Anthony, Chicago, President; Robert Kift, Philadelphia, Vice-President; Wm. J. Stewart, 67 Bromfield St., Boston, Mass., Secretary; M. A. Hunt, Terre Haute, Ind., Treasurer. Place of tenth annual meeting: Atlantic N. J., August, 1894.

### Am. Seed Trade Association.

W. Atlee, Burpee, President; D. I. Bushnell, First Vice-President; S. F. Leonard, Second Vice President; A. L. Don, New York, Secretary and Treasurer. Place of twelfttth annual meeting: Toronto, June, 1894. Applications for membership should be addressed to Wm. Meggatt, Chairman membership committee, Wethersfield, Conn.

### American Pomological Society.

Hon. P. J. Berckmans, Augusta, Ga., President; Chas. L. Watrous, Des Moines, Iowa, First Vice-President; Geo C. Brackett, Lawrence, Kansas, Secretary; Benj. J. Smith, Cambridge, Mass., Treasurer. Place of next meeting: San Francisco, Cal.

We purpose to mail this paper to every nurseryman, florist and seedsman in the United States, and to leading firms in the same vocations in foreign countries. We do not solicit subscriptions. If you value THE PRACTICAL NURSERYMAN. please accept it with our compliments

### Fruit Machinery.

When we consider the vast difference between the price of labor in American gardens and orchards, and the low prices paid in the old world, it is a matter of surprise to foreigners that we can compete so successfully with them in their markets. They attribute it to our fine climate and good soil, yet there are not wanting some intelligent fruit cultivators who believe that these conditions are just the reverse, that America has probably the worst climate in the world for the successful growth of fruits, and that it is simply American genius which overcomes these difficulties, and thus gives them the command of the world's markets. But it is in the far West, and especially along the Pacific slope, where thousands of acres are devoted to fruit culture, and the fruit industries are among the most profitable of the states' revenues, that this adaptation of art to overcome nature is more apparent perhaps than in the Eastern States. For instance, in the matter of the almond, our readers may not generally know that the almond is really the parent of the peach; the peach is simply an almond, which has learned to develop a succulent flesh over the stone; an almond is simply a peach with a dry shell over it instead of the fleshy coating which covers the peach. When ripe it splits open just as the bur of a chestnut would do, in order to allow the stone to escape. In the old world these almonds are shelled by hand, women and children are employed at almost nominal wages for the work, but in California where they have learned to raise almonds that they can sell even more cheaply than the old world people can sell theirs, they have invented a machine, by which the nuts are shelled. These almonds pass between rollers, which have a cog-like surface; the separate cogs held in place by springs so adjusted as to allow the passage of the nut under a sufficient pressure not sufficient to crack the shell; following, the nuts are then separated from the loose fragments of hulls by a fanning

arrangement. The machine is worked by either horse or mule power. The only surprise is that such inventive genius is not developed in the old world. The general impression is that the superior habits of observation engendered by our system of public school education have a great deal to do with the cultivation of these inventive faculties. Some times we see praise given to the systems of education in effect in the old world as compared with that popular in America; but if the proof of the pudding is in the eating, American education seems to have decidedly the advantage. After all many of these workers in the fruit farms of the old world have no education at all.—Meehan's Monthly.

### How to Get Good Keiffers.

J. G. K. Buckners, Ky.—I think you are pretty hard on the Keiffer pear, and wish you could see some we have just enjoyed, as large and good as any California pear I ever ate, flavor not excepted. I admit that I have been more successful this year than ever before, and so will give my method of growing them. I cultivate and fertilize the trees, thin the fruit, and, just as the pears begin to change color the least bit, pick and pack them away in thin layers in a cool place, and cover to exclude the light. If the place of keeping them is right, the pears will be in perfection from about November 10th until Christmas. Four-year-old trees averaged over one bushel of large fruit, which I know would be worth now in the market $5. Does any one make more out of other varieties? No Keiffer has ever blighted for me yet.—Rural New Yorker.

### Will a Tree Live Forever?

What do you think of the idea advanced by some prominent botanist that a tree, providing it meets with no accident, will live forever? De Candolle, an eminent French authority, says: "Trees are not subject to death, and barring accidents and ravages of insects, will continue to live on indefinitely." Gray, the noted botanist, also endorses the theory, that, inasmuch as trees annually renew their youth, they are virtually immortal. His exact language is as follows: "The old central part of the trunk may decay, but this is of little moment so long as new layers are regularly formed at the circumference. The tree survives, and it would be difficult for science to show that it is liable to death from old age in any proper sense of that term."—St. Louis Republic.

### Preserving Fruit for Exhibition.

Vineland, N. J., Dec. 1st, 1893.

W. F. Heikes, Esq.

Dear Sir—In the Practical Nurseryman for October you have an interesting article on "Preserving Fruit for Exhibition Purposes," which suggests the value of another method which I have tested for several years. It is so simple and inexpensive any one can use it successfully. All you have to do is to make a very strong brine and keep your fruit well covered with it. I showed 40 sorts of strawberries at our fair one year, so preserved in small glass jars. The quinces I sent to the World's Fair in New Orleans were preserved in brine. It does not change the color as much as alcohol. Glycerine can be used for the same purpose, but it is not so convenient and much more costly. With the fruit in brine I had no trouble of the skin cracking as by some other methods. Yours truly,

W. W. Meech,
Sec. Vineland Hor. Society.

### The Largest Apple Orchard.

The largest apple orchard in the world is to be seen in the wilderness of Koolau, Maui, one of the Hawaiian islands. The forest is of native wild apple trees, which are countless in number and stretch from the sea far up the mountain side. These trees vary from forty to fifty feet in height, and during the harvest season they are covered with fruit of white and red colors. For miles around and up the mountain side and toward the seashore are vast groves of these trees. The crop in these apple orchards which nature has planted so generously in this wild and solitary waste, would fill a fleet of a hundred steamers. The orchard stretches over a country from ten to fifteen miles wide and and twenty miles long. Many of these trees bear at least fifty barrels each. The fruit furnishes the traveler excellent repast, appeasing both thirst and hunger. So far as is known, no commercial use can be made of the fruit, from the fact that when ripe it can not be kept for more than four days.—Exchange.

Perpetual Flowering Magnolias.—Most Magnolias, like summer roses, flower only once a year; but one kind, the Magnolia purpurea—again, as in the case of some roses—seems to have a tendency to bloom several times a year.

## THE HUNTSVILLE WHOLESALE NURSERIES.

A medal was awarded us at the World's Columbian Exposition for "A New System of Grading and Marking Trees". We have taken a special interest in this subject and it is generally conceded by our customers that our trees are graded more evenly and correctly than are those from any other nursery. In accomplishing this we spend time and money generously.

---

We will sell small trees for lining out in nursery rows, and take notes bearing eight per cent. interest, payable May 1st, 1895, on responsible prompt paying parties. This offer includes Keiffer and LeConte, 1 year, 1 to 2 ft., 2 to 3 ft.; Dwarf Pears, 2 years, 1 to 2 ft. and 2 to 3 ft.; Plums, 1 and 2 years, 1 to 2 ft., 2 to 3 ft. and 3 to 4 ft.; Cherries, 2 years, 2 to 3 ft., 3 to 4 ft.; Peaches, 1 year, 1 to 2 ft., 2 to 3 ft., Apricots, 1 to 2 ft., 2 to 3 ft., 3 to 4 ft.; Orange Quinces, 1 year, 1 to 2 ft. Trees for this purpose and on these terms will not be shipped before February 15th. Trees sold on our ordinary terms will be shipped promptly when wanted.

---

Peach trees are in good demand for orchard planting in the South. Our stock is very large and fine, and varieties suited to any locality can be selected from our assortment. We are always glad to assist in making selections, when desired. There are no Yellows, Rosette, or Root-Knot, in this region.

---

Our Price List this month shows what we have on hand unsold, and gives the number of each grade and variety. We make it a rule to quote the lowest prices we can sell for, and if any change is made print it at the beginning of the month. We endeavor to treat all our customers alike and with fairness.

---

Use the Nurserymen's Telegraphic Code in telegraphing. Any one not in possession of a copy will be supplied upon application.

The Downing and Hicks Everbearing Mulberries, offered on page 10, are fine, well grown, one year trees. They are well ripened and sound to the tips. The Downing is scarce, and orders for it had better be sent in promptly.

---

We are the largest propagators of Japanese Plums, and have on hand all the best varieties. We believe in them, both in the commercial and family orchard. See our quotations, on plum and peach stocks, on page 8.

---

See our low prices on Italian and German Prunes, one year old. They are very handsome trees, and the low prices asked should clear them out quickly.

---

Prices are very low for Kieffer and LeConte pear trees, and we have a very large stock of them. We can supply any number that is likely to be wanted.

---

## Unsolicited Commendation.

TEXAS, Nov. 23, 1893.—First lot of trees came in splendid condition.

ILLINOIS, Nov. 9, 1893.—They are splendid trees for the grade which I ordered.

IOWA, Oct. 21, 1893.—The cherries we got of you last spring were very satisfactory. They stood transplanting better than any other stock I handled last spring. I think that must be one of their characteristics and it is a good one.

TENNESSEE, Nov. 6, 1893.—I am a regular receiver of the PRACTICAL NURSERYMAN and I prize it very much. Please accept our thanks for the same. I am starting a new Nursery here at this place, and no doubt shall need some stock from time to time to fill orders. Your Nursery has a good reputation.

KANSAS, Nov. 20, 1893.—Your plum trees received to-day. Must say they disappointed me pleasantly withal, for they are extra good in every way; seldom if ever have I seen trees of such fine growth, condition, &c., of the class, in fact they are better than you claim for them in your list. We are pleased with your monthly publication.

THE HUNTSVILLE WHOLESALE NURSERIES PRICE LIST.

# The Huntsville Wholesale Nurseries.

JESSIE S. MOSS, PROPRIETOR W. F. HEIKES, MANAGER.

REFERENCES: W. R. Rison & Co., Bankers, Huntsville, Ala., and the Mercantile Agencies

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W. F. HEIKES, MANAGER,

HUNTSVILLE, ALABAMA.

## Fall of 1893 and Spring of 1894.

Tract of 1,000 Acres. Nearly 800 Acres closely Planted in Nursery Stock. Nothing over Two Years Old.

The publication of this list abrogates previous quotations.
Except where prices are agreed upon, these quotations are subject to change without notice
See Terms and Conditions governing these quotations on another page.

### GRADE-COUNT QUOTATIONS.

Should the grade ordered be sold, state whether the next higher or lower grade may be substituted.

| PEARS, Standard. Two Years. Root Grafts. Transplanted. | *Edison.* | *Elruge.* | *Elkmont.* | *Excel* | *Emerge.* |
|---|---|---|---|---|---|
| | 5 to 7 feet | 5 to 6 feet | 4 to 6 feet | 4 to 5 feet | 3 to 4 feet |
| | ¾ to ⅞ | ⅝ to ¾ | 9-16 to ⅝ | ½ to 9-16 | |
| | Pr M $100 | Per M $80 | Per M $65 | Per M $60 | Per M $50 |
| | " C 11 | " C 9 | " C 7 | " C 7 | " C 6 |
| Kieffer | .. | .. | 2000 | .. | 3500 |

These Kieffers are from root-grafts transplanted and cut back to the ground at one year old. The roots are three yrs. old. They are very handsome, having the appearance of budded trees

| PEARS, Standard. Two Years. Budded on transplanted stocks | *Editor.* | *Eldest.* | *Elicit.* | *Empire.* | *Entrap.* | *Enrich.* |
|---|---|---|---|---|---|---|
| | ⅞ and up | 5 to 7 feet | 5 to 6 feet | 4 to 5 feet | 4 to 5 feet | 3 to 4 feet |
| | Extra | ¾ to ⅞ | ⅝ to ¾ | 9-16 to ⅝ | ½ to 9-16 | |
| | Pr M $135 | Pr M $125 | Pr M $100 | Per M $75 | Per M $65 | Per M $50 |
| | " C 15 | " C 13.50 | " C 11.50 | " C 8.50 | " C 7.50 | " C 6 |
| Bartlett | .. | .. | .. | .. | .. | 2100 |
| B. D'Anjou | .. | .. | .. | .. | 30 | 770 |
| Clapp | .. | .. | .. | .. | .. | 160 |
| Duchess | .. | .. | .. | .. | .. | 80 |
| Early Harvest | .. | .. | .. | .. | 60 | 310 |
| Flemish Beauty | .. | .. | .. | .. | .. | .. |
| Howell | .. | .. | .. | .. | .. | 500 |
| Jefferson | .. | .. | .. | .. | 20 | 20 |
| LeConte | .. | .. | .. | .. | .. | .. |
| Smith's Hybrid | .. | .. | .. | .. | .. | 240 |

Ea. Harvest and Jefferson, any grade, 20 cents each, $20 per hundred.

THE HUNTSVILLE WHOLESALE NURSERIES PRICE LIST.

**PEARS, Standard.** One Year. Root-grafts.

| | *Edible.* | *Edifice.* | *Enlarge.* | *Elbow.* | *Elegy.* |
|---|---|---|---|---|---|
| | 5 to 6 feet | 4 to 5 feet | 3 to 4 feet | 2 to 3 feet | 1 to 2 feet |
| | Pr M $100 | Per M $90 | Per M $80 | Per M $60 | Per M $50 |
| | " C 12 | " C 10 | " C 9 | " C 6.50 | " C 6 |
| Kieffer | 10000 | 25000 | 10000 | 15000 | 10000 |

The two larger grades are more or less branched.

These Kieffers are from root-grafts transplanted and cut back to the ground at one year old. The roots are two years old. They are very handsome, having the appearance of budded trees

**PEARS, Standard.** One Year. Cuttings & Grafts. Not branched.

| | *Fasten.* | *Fathom.* | *Fellow.* | *Festal.* |
|---|---|---|---|---|
| | 4 tn 5 feet | 3 to 4 feet | 2 to 3 feet | 1 to 2 feet |
| | Per M $75 | Per M $60 | Per M $50 | Per M $45 |
| | " C 8 | " C 7 | " C 6 | " C 5 |
| Keiffer | 30000 | 20000 | 35000 | 15000 |
| LeConte | 10000 | 15000 | 10000 | 10000 |

These are very handsome little trees, mostly from root-grafts. They can be supplied upon their own roots, when desired. Not transplanted.

**PEARS, Standard.** One Year. Little if any bran.

| | *Fizzle.* | *Foggy.* | *Follow.* |
|---|---|---|---|
| | 3 to 4 feet | 2 to 3 feet | 1 to 2 feet. |
| | Pr C $12.50 | Per C $10 | Per C $6.50 |
| Idaho | 120 | 350 | 100 |

Budded on transplanted stocks.

**PEARS, Standard.** One Year. The 5 to 6 ft. and 4 to 5 ft. trees are branched, except Garber.

| | *Facile.* | *Famous.* | *Farmer.* | *Farther.* |
|---|---|---|---|---|
| | 5 to 6 feet | 4 to 5 feet | 3 to 4 feet | 2 to 3 feet |
| | Pr M $125 | Pr M $115 | Pr M $100 | Per M $75 |
| | " C 15 | " C 12.50 | " C 11.50 | " C 8 |
| Bartlett | 10000 | 35000 | 20000 | 5000 |
| B. D'Anjou | 3000 | 6000 | 4000 | 1000 |
| Bessemianka | .. | .. | .. | .. |
| Buffum | 500 | 1000 | 1000 | 500 |
| Clapp | 2000 | 3000 | 6000 | 1000 |
| Duchess | 3000 | 6000 | 7000 | 2000 |
| Ea. Harvest | 2000 | 5000 | 2000 | 1000 |
| Garber | 6000 | 5000 | 1500 | 500 |
| Howell | 1000 | 2000 | 1000 | 500 |
| Japan Russett | 55 | 60 | 90 | 20 |
| Jefferson | 1000 | 2000 | 2000 | 400 |
| Lawrence | .. | 1000 | 1000 | 600 |
| Smith's Hybrid | 300 | 800 | 500 | 100 |

Ea. Harvest and Jefferson, any grade, $150 per thousand

This is the handsomest lot of Standard Pears we have grown or that we have seen anywhere. They are all budded upon transplanted stocks and have well furnished roots, most of the larger sizes being nicely branched. If not wanted at one year old, keep them in mind for next year.

**PEARS, Dwarf.** Two Years.

| | *Gamble.* | *Garnet.* | *Gentle.* |
|---|---|---|---|
| | 3 to 4 feet | 3 to 4 feet | 2 to 3 feet |
| | ⅝ to ¾ | 9-16 to ⅝ | ½ to 9-16 |
| | Per M $85 | Per M $65 | Per M $50 |
| | " C 10 | " C 8 | " C 7.50 |
| Duchess | 1400 | .. | 1500 |
| L. Bonne | .. | 100 | 520 |

The Duchess d'Anjouleme still retains its reputation of being the most desirable and profitable among the varieties of pears grown as dwarfs.

**PLUMS, 2 Years.** On Marianna. Well branched.

| | *Hammer* | *Happen.* | *Harden.* | *Harrow.* | *Hasten.* | *Hatter.* | *Haven.* |
|---|---|---|---|---|---|---|---|
| | 5 to 6 feet | 5 to 6 feet | 5 to 6 feet | 4 to 5 feet | 4 to 5 feet | 4 to 5 feet | 3 to 4 ft. |
| | ¾ & up | 11-16 to ¾ | ⅝ to 11-16 | 9-16 to ⅝ | ½ to 9-16 | 7-16 to ½ | |
| | Pr M $150 | Pr M $145 | Pr M $135 | Pr M $125 | Pr M $100 | Per M $75 | Pr M $60 |
| | " C 17.50 | " C 16.50 | " C 15 | " C 13.50 | " C 12.50 | " C 9 | " C 7.50 |
| DeSoto | .. | .. | .. | .. | 1000 | 600 | 2200 |
| Forest Garden | .. | .. | .. | .. | 400 | 700 | 1100 |
| Hawkeye | .. | .. | .. | .. | 1500 | 1350 | 1100 |
| Marianna | 1600 | 1000 | 870 | 800 | 700 | 600 | 1800 |
| Quaker | .. | .. | .. | .. | 200 | 250 | 470 |
| Rollingstone | .. | .. | .. | 150 | 120 | 190 | 270 |
| Satsuma | .. | .. | .. | 70 | 20 | .. | 50 |
| Weaver | .. | .. | .. | .. | .. | .. | 400 |
| Wolf | .. | .. | .. | ... | .. | .. | 350 |

THE HUNTSVILLE WHOLESALE NURSERIES PRICE LIST.

| PLUMS. 1 Year. On Marianna. Branched. | *Keenly.* 5 to 6 feet ⅝ & up. Pr M $125 " C 13.50 | *Keeper.* 4 to 6 feet 9-16 to ⅝ Pr M $115 " C 12.50 | *Kernel.* 4 to 5 feet ½ to 9-16 Pr M $100 " C 11.50 | *Kidnap.* 4 to 5 feet 7-16 to ½ Per M $90 " C 10 | *Kindle.* 3 to 4 feet Per M $60 " C 7 | *Kitten.* 2 to 3 feet Per M $50 " C 6 |
|---|---|---|---|---|---|---|
| DeSoto | .. | .. | .. | .. | .. | .. |
| Forest Garden | .. | .. | .. | .. | .. | .. |
| Golden Beauty | .. | .. | .. | 60 | .. | 200 |
| Hawkeye | .. | .. | .. | .. | .. | .. |
| Newman | .. | .. | .. | .. | 530 | 390 |
| P. Pissardi | 550 | 490 | 720 | 930 | 870 | 350 |
| Pottawattamie | .. | 270 | 750 | 1100 | 4100 | 2250 |
| Quaker | .. | .. | .. | .. | .. | .. |
| Robinson | .. | .. | .. | .. | 1200 | 1400 |
| Roulette | .. | 80 | 80 | 270 | 500 | 630 |
| Rollingstone | .. | .. | 90 | 320 | 410 | 200 |
| Wayland | .. | 50 | .. | 170 | 120 | 500 |
| Weaver | .. | .. | .. | .. | .. | .. |
| Wild Goose | .. | 2600 | 1400 | 900 | 2900 | 1500 |
| Whittaker | .. | 600 | 630 | 770 | 1350 | 620 |
| Wolf | .. | .. | .. | .. | .. | .. |

| PLUMS. 1 Year On Marianna. Branched. | *Lessen.* Pr M $135 " C 15.50 | *Letter.* Pr M $125 " C 13.50 | *Liking.* Pr M $115 " C 12,50 | *Limber.* Pr M $100 " C 11.50 | *Limpid* Per M $75 " C 10 | *Linger.* Per M $50 " C 6 |
|---|---|---|---|---|---|---|
| Abundance (Botan) | .. | .. | .. | 1650 | 3100 | 1100 |
| Bailey | .. | 10 | 30 | 40 | 30 | 10 |
| Burbank | .. | 1900 | 1600 | 490 | 2200 | 800 |
| Chabot | 30 | 190 | 200 | 220 | 260 | 60 |
| Hattankin | .. | 50 | 50 | 70 | 60 | 30 |
| Normand | 50 | 60 | .. | 20 | 20 | 20 |
| Ogon | .. | .. | .. | 130 | 150 | 560 |
| P. Simoni | .. | 3100 | 3140 | 2500 | 1230 | 260 |
| Satsuma | .. | 380 | 380 | 740 | 1340 | 1200 |
| Shiro Shomo | 10 | 20 | 60 | 60 | 60 | 20 |
| Sweet Botan | .. | .. | 220 | 270 | 520 | 280 |
| Yellow Japan | .. | 90 | 115 | 330 | .. | 80 |

☞Willard, on plum, 25 cents each. 80 3 to 4 feet. 270 1 to 2 feet.

| PLUMS. 2 Years On Peach. Well branched. | *Lobby.* 5 ft. & up ¾ & up Pr M $100 " C 12.50 | *Lobster.* 5 to 6 feet 11-16 to ¾ Per M $95 " C 11.50 | *Locket.* 5 to 6 feet ⅝ to 11-16 Per M $90 " C 10 | *Lonely.* 4 to 5 feet 9-16 to ⅝ Pe. M $80 " C 9 | *Losing.* 4 to 5 feet ½ to 9-16 Per M $70 " C 8 | *Lover.* 4 to 5 feet 7-16 to ½ Per M $60 " C 7 | *Lumber.* 3 to 4 ft. Per M $50 " C 6 |
|---|---|---|---|---|---|---|---|
| Abundance (Botan) | 300 | 2900 | 1800 | 1900 | 1700 | 260 | 1500 |
| Botankio | 130 | 180 | 160 | 240 | 190 | 270 | 260 |
| Burbank | 500 | 330 | 200 | 40 | .. | .. | .. |
| Chabot | 60 | 130 | 150 | 250 | 160 | 170 | 180 |
| Hattankio | 90 | 120 | 80 | 200 | 170 | 160 | 20 |
| Kelsey | 340 | 110 | 200 | 1100 | 1140 | 1130 | 3200 |
| Satsuma | 2770 | 2250 | 1240 | 820 | 480 | 270 | 850 |
| Yellow Japan | 300 | .. | 140 | 300 | 60 | 90 | 120 |

| PLUMS. 1 Year On Peach. Branched. | *Listen.* 5 ft. & up ⅝ & up Per M $90 " C 10 | *Lading.* 4 to 6 feet 9-16 to ⅝ Per M $80 " C 9.50 | *Latent* 4 to 5 feet ½ to 9-16 Per M $70 " C 8.50 | *Lavish.* 4 to 5 feet 7-16 to ½ Per M $60 " C 7.50 | *Loving.* 3 to 4 feet Per M $50 " C 6 | *Loyal.* 2 to 3 feet Per M $40 " C 5 |
|---|---|---|---|---|---|---|
| Abundance (Botan) | 700 | 1450 | 3100 | 5000 | 10000 | 6800 |
| Burbank | .. | 180 | 80 | .. | .. | 650 |
| Chabot | .. | .. | 100 | 140 | 260 | 100 |
| Kelsey | .. | 230 | 580 | 570 | 4900 | 2700 |
| Satsuma | .. | 320 | 530 | 290 | 2740 | 1050 |
| Yellow Japan | .. | 20 | 100 | 210 | 460 | 160 |

☞Willard, on peach, 25 cents each. 120 2 to 3 feet. 250 1 to 2 feet.

| DOMESTIC VARIETIES Little if any Branched. | *Margin.* Per M $60 " C 7 | *Martin.* Per M $50 " C 6 | *Mature.* Per M $45 " C 5 | *Mellow.* Per M $40 " C 5 | *Member.* Per M $35 " C 4 | *Miller.* Per M $30 " C 3.50 |
|---|---|---|---|---|---|---|
| Coe's Golden | 200 | 760 | 1080 | 1700 | 2900 | 300 |
| German Prune | .. | 1720 | 2900 | 4400 | 7270 | 630 |
| Italian Prune | .. | 1200 | 1800 | 4500 | 8000 | 540 |
| P. Englebert | .. | 500 | 760 | 660 | 960 | 50 |
| Pond's Seedling | .. | .. | .. | 4200 | 9650 | 600 |
| Shippers' Pride | .. | .. | .. | .. | 50 | 20 |

THE HUNTSVILLE WHOLESALE NURSERIES PRICE LIST.

| CHERRIES, 2 Yrs Well Branched. | *Oblige.* 5 to 6 feet 11-16 to ¾ Pr M $150 " C 15.50 | *Oblong.* 4 to 5 feet ⅝ to 11-16 Pr M $125 " C 13.50 | *Octave.* 4 to 5 feet 9-16 to ⅝ Pr M $100 " C 11.50 | *Office.* 4 to 5 feet ½ to 9-16 Per M $75 " C 8.50 | *Onward.* 3 to 4 feet Per M $60 " C 7 | *Oppose.* 2 to 3 feet Per M $50 " C 6 |
|---|---|---|---|---|---|---|
| B. Tartarian | .. | .. | .. | .. | 630 | 230 |
| Dyehouse | .. | 840 | 600 | 210 | 680 | 180 |
| Ea. Richmond | .. | 4600 | 6300 | 300 | 3600 | 1500 |
| Eng. Morello | .. | .. | .. | .. | 2000 | 1080 |
| Esel Kirsche | .. | 240 | 200 | 150 | 210 | 70 |
| Gov. Wood | .. | .. | .. | .. | 50 | 80 |
| L. Montmorency | .. | 340 | 1200 | 200 | 800 | 580 |
| Manger | .. | .. | 290 | 220 | 330 | 70 |
| May Duke | .. | 730 | 700 | .. | 900 | 360 |
| Nap. Bigarreau | .. | .. | .. | .. | 330 | 70 |
| Olivet | .. | 1160 | 1300 | .. | 950 | 340 |
| Ostheim | .. | .. | .. | .. | 600 | 310 |
| Wragg | .. | .. | .. | .. | 800 | .. |
| G. Precoce | .. | .. | .. | 70 | 290 | .. |
| Lutovka | .. | .. | .. | .. | 120 | .. |
| Vladimir | .. | .. | .. | 140 | 310 | .. |

| PEACH TREES. One Year. On Peach Stocks. | *Rancor.* 5 ft. & up ¾ & up Per M $50 " C 6 | *Rattle.* 4 to 6 feet 9-16 to ⅝ Per M $50 " C 6 | *Rebate.* 4 to 5 feet 7-16 to 9-16 Per M $45 " C 5 | *Recite.* 3 to 4 feet Per M $35 " C 4.50 | *Render.* 2 to 3 feet Per M $25 " C 3 | *Resource* 1 to 2 ft. Per M $15 " C 2 |
|---|---|---|---|---|---|---|
| Ark. Traveler | .. | .. | .. | 900 | 200 | .. |
| Alexander | .. | .. | .. | 5000 | 1400 | .. |
| Amsden | .. | .. | .. | 1500 | 1060 | 100 |
| Amelia | .. | .. | 320 | 1000 | 800 | 120 |
| Albright's October | .. | .. | 170 | 920 | 480 | 140 |
| Brigg's Red May | .. | .. | .. | 600 | 340 | 50 |
| Beers' Smock | .. | .. | .. | 2400 | 1300 | 150 |
| Blood Cling | .. | .. | .. | 1070 | 690 | 170 |
| Chinese Cling | .. | .. | .. | .. | 2000 | 1200 |
| Crawford's Early | .. | .. | 400 | 5600 | 4000 | 300 |
| Crawford's Late | .. | .. | 720 | 3400 | 400 | .. |
| Crosby | .. | 300 | 300 | 500 | 600 | 300 |
| Columbia | .. | .. | 240 | 600 | 550 | 270 |
| Carpenter's Cling | .. | .. | .. | 750 | 700 | 150 |
| Chinese Blood | .. | .. | .. | 260 | 70 | 70 |
| Early Barnard | .. | .. | 110 | 2100 | 1270 | 170 |
| Foster | .. | .. | .. | 1400 | 3600 | .. |
| General Lee | 40 | .. | .. | 150 | 750 | 460 |
| Heath Cling | .. | .. | .. | 2150 | 3800 | 845 |
| Hynes' Surprise | .. | .. | .. | 700 | 620 | 50 |
| Hill's Chili | .. | .. | .. | 2130 | 1200 | 220 |
| Hale's Early | .. | .. | 250 | 3700 | 2000 | 370 |
| Jessie Kerr | .. | .. | 150 | 1700 | 1300 | 230 |
| Japan Blood | 30 | .. | .. | .. | 190 | 20 |
| Lemon Cling | .. | .. | 250 | 3600 | 700 | .. |
| Levy's Late | .. | .. | .. | 900 | 1600 | 400 |
| Longhurst | .. | .. | .. | .. | .. | .. |
| Mary's Choice | .. | .. | .. | 950 | 800 | .. |
| Muir | .. | .. | 350 | 3800 | 4000 | 300 |
| Nix's Late | .. | .. | 370 | 580 | 200 | 120 |
| Nichols' Cling | .. | .. | 250 | 700 | 700 | 230 |
| Newhall | .. | .. | 140 | 450 | 390 | 130 |
| Nash | .. | .. | 170 | 470 | 570 | 170 |
| Old Mixon Free | .. | .. | .. | 1100 | 900 | 170 |
| do Cling | .. | .. | .. | 600 | 800 | 40 |
| Onderdonk | .. | .. | .. | 200 | 250 | 30 |
| Orange Cling | .. | .. | 150 | 1500 | 1670 | 370 |
| Picquet's Late | .. | .. | .. | .. | 250 | .. |
| Ringold's Mam. Cling | .. | .. | .. | 700 | 770 | .. |
| Reeves' Favorite | .. | .. | .. | .. | 1070 | 430 |
| Susquehanna | | .. | 360 | 1900 | 3180 | 750 |
| Salway | .. | .. | .. | .. | 1200 | 2400 |
| Snow's Orange | .. | .. | 660 | 2460 | 1460 | 700 |
| Sellers' Cling | .. | .. | .. | 460 | 350 | .. |
| Tuskena | 40 | .. | .. | 320 | 380 | 190 |
| Wager | .. | .. | 300 | 1900 | 3160 | 1360 |
| Wheatland | .. | .. | 700 | 2000 | 2000 | 800 |
| Washington Cling | .. | .. | 190 | 640 | 190 | 130 |
| Wonderful | .. | .. | 660 | .. | 1100 | .. |

☞Crosby, $1.50 per 10, $12.50 per 100, $100 per 1000.

THE HUNTSVILLE WHOLESALE NURSERIES PRICE LIST.

| PEACH TREES. One Year. On Marianna. | *Salver.* 5 ft. & up ¾ & up Per M $80 " C 8.50 | *Sandy.* 4 to 6 feet 9-16 to ¾ Per M $75 " C 8 | *Sabbath.* 4 to 6 feet ½ to 9-16 Per M $70 " C 7.50 | *Saddle.* 4 to 5 feet 7-16 to ½ Per M $60 " C 7 | *Sunset.* 3 to 4 feet Per M $50 " C 6 | *Supply.* 2 to 3 feet Per M $35 " C 4.50 | *Suppose.* 1 to 2 ft. Per M $25 " C 3 |
|---|---|---|---|---|---|---|---|
| Alexander | .. | .. | .. | 50 | .. | 40 | 6 |
| Crawford's Early | .. | .. | .. | 40 | 30 | 90 | 20 |
| Elberta | .. | .. | .. | .. | .. | 60 | 55 |
| Ea. Rivers | .. | .. | .. | .. | 140 | 120 | 30 |
| F. St. John | .. | .. | 20 | 50 | .. | 55 | 10 |
| Family Favorite | .. | .. | 40 | 40 | 118 | 60 | 15 |
| Heath Cling | .. | .. | .. | 20 | 120 | 70 | 25 |
| Mountain Rose | .. | .. | .. | 50 | 170 | 160 | 33 |
| Sneed | .. | .. | 40 | 20 | 130 | 40 | 15 |
| Stump | .. | .. | .. | 35 | 170 | 100 | 35 |

| ALMONDS and NECTARINES. 1 Year. On Peach | *Setter.* 5 ft. & up ¾ & up Per M $50 " C 6 | *Season.* 4 to 6 feet ⅝ to ¾ Per M $55 " C 6.50 | *Secret.* 4 to 6 feet 9-16 to ⅝ Per M $50 " C 6 | *Silver.* 4 to 5 feet 7-16 to 9-16 Per M $45 " C 5 | *Silent.* 3 to 4 feet Per M $35 " C 4.50 | *Solvent.* 2 to 3 feet Per M $25 " C 3 | *Summer* 1 to 2 ft.. Per M $15 " C 2 |
|---|---|---|---|---|---|---|---|
| Princess, Almond | 50 | 230 | 240 | 830 | 900 | 320 | 60 |
| Sultana, " | 5 | 25 | .. | 190 | 800 | 850 | 400 |
| Boston, Nectarine | 15 | 45 | 360 | 600 | 870 | 290 | 70 |
| New White, " | 35 | 60 | 180 | 1380 | 4200 | 2340 | 1180 |

| Russian Apricots. One Year. On Marianna. | *Under.* 4 to 5 feet 7-16 to 9-16 Per M $60 " C 7.50 | *Ultry.* 3 to 4 feet Per M $50 " C 7 | *Ulster.* 2 to 3 feet Per M $35 " C 6 |
|---|---|---|---|
| Catherine | 2120 | 1570 | 310 |
| Gortschakoff | 460 | 390 | 220 |
| Skobeloff | 430 | 360 | 210 |

As the quality of hardiness is the chief recommendation urged in favor of Russian Apricots, we grow them only on plum roots.

| Common and Japan Apricots. 1 Year. On Peach | *Vanity.* 4 to 6 feet ⅝ & up Per M $75 " C 8 | *Vacate.* 4 to 6 feet 9-16 to ⅝ Per M $70 " C 8 | *Valiant.* 4 to 5 feet ½ to 9-16 Per M $65 " C 7 | *Vapor.* 4 to 5 feet 7-16 to ½ Per M $60 " C 6.50 | *Vassal.* 3 to 4 feet Per M $50 " C 6 | *Vampire.* 2 to 3 feet Per M $35 " C 5 |
|---|---|---|---|---|---|---|
| Blenheim | 50 | 40 | 75 | 90 | 180 | 200 |
| Harris | .. | 10 | 30 | 65 | 310 | 470 |
| Hemskirke | 30 | 8 | 5 | 20 | 200 | 350 |
| L. Early | .. | .. | 30 | 60 | 260 | 240 |
| Luizet | 65 | 75 | 110 | 260 | 420 | 140 |
| Moorpark | .. | .. | .. | .. | 520 | 1040 |
| Peach | 30 | .. | .. | .. | 130 | 306 |
| Royal | .. | 360 | 780 | 520 | 1600 | 3370 |
| Santa Fe | 40 | 40 | 30 | 15 | 340 | 330 |
| St. Ambroise | 20 | 10 | 20 | 30 | 320 | 410 |
| Bungoume, Japan | 15 | 60 | .. | 270 | 100 | .. |
| Gold Dust, " | .. | .. | .. | .. | 50 | 20 |

| MULBERRIES. One Year. | *Wabble.* 5 to 6 feet Pr M $125 " C 12.50 | *Wagon.* 4 to 5 feet Pr M $100 " C 11 | *Wander.* 3 to 4 feet Per M $75 " C 8.50 |
|---|---|---|---|
| Hicks | 500 | .. | 80 |
| Downing | 1150 | 700 | 700 |

The growth of Mulberries continues so late that we cannot dig and ship them in good condition before the middle to end of October.

| QUINCES. One Year Grafts | *Tactics.* 3 to 4 feet Per M $90 " C 9.50 | *Tadpole.* 2 to 3 feet Per M $70 " C 7.50 | *Taffy* 1 to 2 feet Per M $50 " C 4.50 |
|---|---|---|---|
| Orange | 550. | 8750 | 5230 |

Our Quinces are all grafted from wood cut from bearing trees, so that we know them to be genuine. It is impossible to keep a lot of budded quinces pure.

| | Per 100 | Per 1000 |
|---|---|---|
| PECANS, One Year Seedlings, 6 to 12 inches | $5 00 | $25 00 |

## HEIKES--HUNTSVILLE--TREES.

Always address all correspondence to

*W. F. HEIKES, Manager,*
HUNTSVILLE, ALABAMA.

## Terms and Conditions Governing Quotations in the Price List of the Huntsville Wholesale Nurseries.

RATES.—As we send this list to the trade only, we make the difference in prices between the 10, 100 and 1000 rates very slight—simply sufficient, as a rule, to cover the difference in the expense of handling in the smaller numbers. We uniformly tie in bunches of 10, when consistent with the order, and we suggest to our customers to make their orders for varieties in multiples of 10 as far as practicable. Orders for 50 and not over 300 trees, if for not less than 10 of a variety, will be charged at the rate per hundred. Orders requiring 300 trees or more, and not less than 10 of a variety, will be filled at the lowest quoted prices. Orders for less than 10 trees of one variety, will be charged at the rate per ten.

SEASON.—Our packing and shipping season begins by the 20th of September, and continues until about the first of March.

We have great advantages to offer here in early shipments for the North in Spring. We do not accept orders for trees we do not grow, as we never buy trees to sell again. You can depend upon us for fresh dug trees. Each order is taken up separately, and not until it is wanted for shipment.

SHIPPING DIRECTIONS.—We respectfully beg our patrons to furnish us with explicit *directions as to shipping*, and the mode of conveyance by which they desire trees forwarded. When no particular directions are given, we forward according to the best of our judgment. *But in no case do we assume any responsibility as to safe delivery and condition of Trees and Plants* after a proper shipment by us.

RELEASE.—When prepayment of freight is not required, we will Release and Guarantee, and take forwarder's receipt and mail to consignee. It is left to the option of the shipper of trees over some railroads, whether he will release them or not under the clause "Value less than $5.00 per 100 lbs." If released under this clause, the freight is less on roads governed by this classification, and we will assume it to be proper to make this release, without reference to the value of the trees, unless instructed to the contrary. This clause does not apply upon roads under some of the district classifications, and because of this confusion we will not be held responsible for any oversight to release, unless instructed by our customers. Claims for delay or loss must be made to the forwarders.

PACKAGES.—The cost of package must be added to the prices quoted in this list, as follows: Boxes 30 inches square, from 7½ to 9 feet long, as the trees may require, each $2.50; boxes 24 inches, $2.00; boxes 18 inches, $1.50; bales from 25c. to 75c. each.

PACKING.—Goods will be packed in moss, and especial care taken to insure their arrival in the best condition.

ASSORTMENTS.—We do not require customers to take an assortment they do not wish, but will sell one variety alone if desired. If any substitution can be allowed, either in grade or variety, it should be so stated when making the order. As a rule we do not substitute without permission.

CAUTION.—We accept all orders upon the condition that they shall be void, should any injury befall the trees from frost, hail, storm, fire, or other causes over which we have no control.

TERMS.—Cash. When desired, we will allow 30 to 60 days from date of shipment, to responsible, prompt-paying customers. Parties with whom we have had no business transactions, will save time by sending reference, Bank, if possible, with order. We wish it expressly understood that payment is expected from the first collections made, and the time named is only intended as so many days of grace in which to make returns. To northern customers, who wish to lay in stock for Spring trade, we will ship late in Fall or early in Spring, and allow time for payment till May 15th. If shipment is required in the Fall for Spring use, a note is to be given upon receipt of the trees. We do not allow any discount for cash, but we make our prices low to command cash, or prompt returns. In orders when the time is not mentioned, 30 days is to be understood. Interest at the rate of 8 per cent. per annum must be paid on over due accounts. Should prices be changed, either higher or lower, during the season, the prices ruling at the time the order is made, are expected to stand.

FORMS OF PAYMENT.—All bills are payable at the office of the seller, and remittances should be made by drafts on New York, Chicago or St. Louis, or by money orders on some Express Company, or by postal orders. We will, however, accept checks from those of our customers who may be located at places having no banking, express or postal facilities, provided they make them in every case payable "with exchange", or add ¼ of one cent. to the amount of the bill for the cost of collection.

GRADES.—We grade very carefully, in some cases by caliper, in others by height. When graded by both caliper and height, the caliper must govern, as the height then named is only to be considered approximately. When graded by height or caliper, we include the lower number and exclude the higher. Instance: in a grade of 4 to 5 feet trees, the 4 feet trees are included, but not the 5 feet trees. If 5 feet trees are wanted, the 5 to 6 feet grade must be ordered.

GUARANTEE OF GENUINENESS.—While we exercise the greatest diligence and care to have all our Trees, etc., true to label, and hold ourselves in readiness, on proper proof, to replace all trees, etc., that may prove untrue to label, free of charge, or refund the amount paid, it is mutually understood and agreed to, between the purchaser and ourselves, that our guarantee of genuineness shall in no case make us liable for any sum greater than that originally received for said trees, etc., that shall prove untrue.

ACCEPTANCE.—Notice should be sent us by telegraph, at our expense, if there is any cause of complaint, or should the trees be refused, stating reasons. Claims for deduction, from whatever cause, will receive consideration only when made promptly upon the receipt of the trees. If trees show any signs of shrivelling upon arrival, they can usually be restored by being thoroughly watered and buried entirely under the ground for two or three days. Should there be any frost in the trees upon arrival, they should not be removed from the box until the frost is all out. The box should be placed in the cellar or protected in some other way. The presence of frost in the boxes is not to be considered an evidence of bad condition, as we pack to secure the trees against damage, if the frost is allowed to come out in the natural way. Goods will be considered accepted if removed from the boxes in which they are packed, without notice of complaint to us, and without our orders for their disposition.

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2,800,000 of 100 VARIETIES, 2 year No. 1, 1 year No. 1 and 1 year No. 2. Best stock in the country. Guaranteed strictly true to name. Prices low. Packing free. Also a select stock and assortment of FRUIT TREES, SMALL FRUITS, ASPARAGUS, &C. Descriptive catalogue and Trade Price List free.
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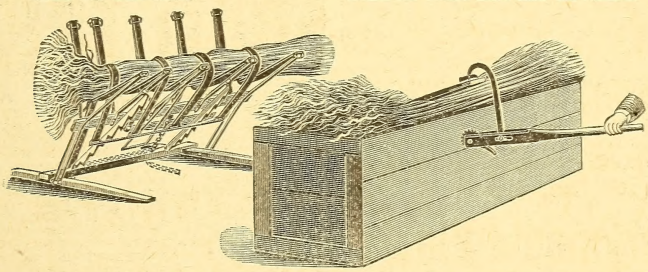

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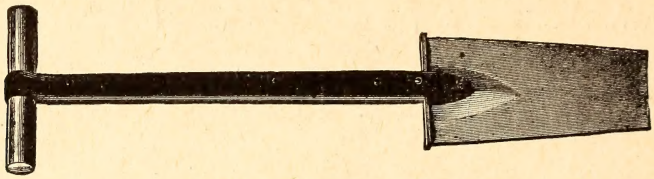

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| 3 to 4 feet | $15 00 | $140 00 |
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Can supply photos hand-painted from nature of Magnolia Grandiflora at 15c. each.

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| " " | " | 4-8 mm, at | 95 | " | " |
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